

DATE: 2/01/2010

INVITATION TO BID  
THIS IS NOT AN ORDER

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BID NO.: 50-00096599  
B2010000034

**JEFFERSON PARISH**  
PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

VENDOR:

BUYER: AHolmes

**BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 2/25/2010 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.**

**LATE BIDS WILL NOT BE ACCEPTED**

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.**

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**  
**THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. THIS BID PACKAGE MUST BE RETURNED IN ITS ENTIRETY.

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH will accept one bid only from each vendor. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and the bidder is an agency, corporation, partnership, or other legal entity, the president, vice-president, secretary/treasurer, or an authorized agent, shall sign the proposal, and satisfactory evidence of the authority of the person signing for the agency, corporation, partnership, or other legal entity shall be attached to the proposal.

**AWARD OF CONTRACT:** JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

**USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

**CANCELLATION OF CONTRACT:** JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

**Visit our website at [WWW.JEFFPARISH.NET/BIDS](http://WWW.JEFFPARISH.NET/BIDS)**

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

JEFFERSON PARISH requires a firm price. Quoted price will remain firm until \_\_\_\_\_

**PRICES:** Jefferson Parish is exempt from paying sales tax under LSA-RS 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. If a contractor is to act as Purchasing Agent for tax-exempt purposes, the Parish shall specifically state so within this bid specification. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

**RESPONSE TO INVITATION:** If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 105529 or 105530 dated 5/17/06. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

**POSTING OF BIDS:** Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE  
CORRESPONDING INSTRUCTIONS BELOW.

12,13,14,15,16

1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).
2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. A Louisiana state contractor's license may be required in accordance with LSA-R.S. 37:2150 et seq.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will be reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES \_\_\_\_\_ NO \_\_\_\_\_  
Successful bidder will be required to furnish proof of insurance to this office.  
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid.
11. Affidavit required to be submitted with bids on all solicitations for construction, alteration or demolition of public building or project. (LSA-R.S. 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO \_\_\_\_\_

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

14. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
15. Vendor will be required to submit to the chief buyer of the JEFFERSON PARISH Purchasing Department a quarterly usage report by item of all items listed on this proposal.
16. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES \_\_\_\_\_

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK \_\_\_\_\_

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**\*\*\* ALL BIDDERS MUST COMPLETE SECTION BELOW \*\*\***

FIRM NAME:

SIGNATURE:

(Must be signed here)

TITLE:

PRINT OR TYPE NAME:

ADDRESS:

CITY, STATE:

ZIP:

TELEPHONE:

( )

FAX:

( )

EMAIL ADDRESS:

TOTAL PRICE OF ALL BID ITEMS: \$ \_\_\_\_\_

**THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.**

**NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.**

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096599

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			<p>TWO YEAR CONTRACT FOR TRAFFIC SAFETY SUPPLIES FOR THE JEFFERSON PARISH</p> <p>DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEERING DIVISION</p> <p>PLEASE SEE THE ATTACHED SPECIFICATIONS FOR THE FOLLOWING ITEMS.</p>		
1	150	ST	<p>0010 - Traffic Cone Reflector Collar Set for 28in Cones. Per Specification TED 3-90-3.</p>		
2	150	ST	<p>0020 Traffic Cone Reflector Collar Set for 36in Cones.  Per Specification TED 3-90-3.</p>		
3	200	EA	<p>0030 Vertical Panel Channelizing Device Per Specification TED 1-01-6.  Sheeting as per spec. #TE-007-2005.</p>		
4	650	EA	<p>0060 28in Orange Fluorescent Traffic Cones Flag Top Adapter  Per Specification TED 3-90-3</p>		
5	1850	EA	<p>0070 36in Orange Fluorescent Traffic Cones Flag Top Adapter  Per Specification TED 3-90-3</p>		
6	200	EA	<p>0080 Plastic Construction Barrels. Per Specification TED 3-90-5.  Sheeting as per spec. #TE-007-2005.</p>		
7	300	EA	<p>0090 24in x 24in Orange Fluorescent Solid Flags.  Per Specification TED 3-90-4.</p>		
8	100	EA	<p>0130 Type III Plastic Barricade Assembly  Per Specification TED 3-90-8 Sheeting as per spec. #TE-007-2005.</p>		
9	500	EA	<p>0140 8 ft. "Plastic" Barricade Board As per specification TED 3-90-9.</p>		

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**INVITATION TO BID FROM JEFFERSON PARISH - continued**

**BID NO.: 50-00096599**

**SEALED BID**

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			Sheeting as per spec. #TE-007-2005.		
10	300	EA	0150 Barricade A-Frame Assembly As per specification TED 3-90-10.		
11	300	PR	0160 8 ft. Plastic Barricade Legs As per specification TED 3-90-7		

TWO YEAR CONTRACT FOR TRAFFIC SAFETY SUPPLIES FOR THE JEFFERSON  
PARISH DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEERING DIVISION.

Specification – TED 3-90-1

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Each 2 Ft. Barricade Leg Assembly Consisting of:

4-ea. 1-1/4" x 1-1/4" angle by 45" long, 12-gauge thickness, white enamel painted steel, roll-formed.

With Barricade Panel bolt hole centers at 5", 9", 11", and 15", starting from each end totaling 8 bolt holes, 5/16" in diameter.

With 1 - 9/16" diameter hole 1-1/2" in on center at each end of leg for hinge bolt or light bolt totaling 2 holes.

See attached drawing for details.

16 ea. 1/4" x 1/2" long Zinc Plated USS Coarse Thread Carriage Bolts.

16 ea. 1/4" Zinc Plated USS Coarse Thread Hex Head Nuts.

2 ea. 1/2" x 1" long Zinc Plated USS Coarse Thread Hex Head Cap Screws.

2 ea. 1/2" Zinc Plated USS Coarse Thread Nylon Stop Nuts.

Specification – TED 3-90-3

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Cones and Collars

Cones: 28" size Orange Fluorescent Traffic Cone, with approximately 14" x 14" orange fluorescent base, 7 lbs. total weight, approximately 11" Diameter cone at base, 3/4" flag mount hole in top, made with flexible polyvinyl chloride. (Must conform to requirements in the Louisiana Manual on Uniform Traffic Control Devices (as revised).

36" size Orange Fluorescent Traffic Cone, with approximately 14" x 14" orange fluorescent base, 8 lbs. total weight, approximately 11" Diameter cone at base, 3/4" flag mount hole in top, made with flexible polyvinyl chloride. (Must conform to requirements in the Louisiana Manual on Uniform Traffic Control Devices (as revised).

Traffic Cone Reflector Collar Set for 28" Cones as follows:

Collars: Traffic Cone Reflector Collar Set consisting of 2 bands. 1 each 6" White Reflective Band and 1 each 4" White Reflective Band to slip over above specification 28" Cone a minimum of 3" or a maximum of 4" from the top with a minimum of 2" between the bands for improved night visibility. (Must conform to requirement in the LA Manual on Uniform Traffic Control Devices (as revised).

Traffic Cone Reflector Collar Set for 36" Cones as follows:

Collars: Traffic Cone Reflector Collar Set consisting of 2 bands. 1 each 6" White Reflective Band and 1 each 4" White Reflective Band to slip over above specification 36" Cone a minimum of 3" or a maximum of 4" from the top with a minimum of 2" between the bands for improved night visibility. (Must conform to requirement in the LA Manual on Uniform Traffic Control Devices (as revised).

Specification – TED 3-90-4

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Flags

24" x 24" Orange Fluorescent solid flags constructed of vinyl with reinforcing fibers, with 36" x 3/4" staff.

Above equipment to be as per the Louisiana Manual on Uniform Traffic Control Devices (as revised).

Specification – TED 3-90-5

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Two (2) Piece Plastic Construction Barrel

This specification covers a stackable, non-metallic (high-density polyethylene), traffic orange channelizing device for use on construction and maintenance projects as per the Louisiana Manual on Uniform Traffic Control Devices (as revised). The physical properties, dimensions, and weights of the device are according to the following specifications:

I. Barrel Upper Body

- A) Material High Density Polyethylene with a density of 0.953 and a melt index of 20.
- B) Low temperature impact brittleness; greater than -50 degrees C.
- C) U.V. stabilized for 3-5 years South Florida exposure.
- D) Body weight 8-1/4 lbs.
- E) Minimum diameter 18-1/8" regardless of orientation.
- F) Light mounting handle will take repeated impacts in excess of 55 MPH without light separation when mounted using recommended bolt protector.
- G) Height of device 37-1/8".
- H) There are five (5) circumferential panels available to accept a six inch (6") high piece of reflective sheeting. The reflective sheeting surfaces are 100% flame treated to maximize adhesion of reflective sheeting to barrel body.
- I) Shape configuration at base attachment point only minimizes rolling.
- J) Barrel body has built in heavy duty dragging handle for in use movement thereby minimizing separation of body from base.

II. Barrel Base

- A) Material is High Density Polyethylene with a density of 0.946 and a melt index of 7.5.
- B) Low temperature impact brittleness; greater than -50 degrees C.
- C) U.V. stabilized for 3-5 years of South Florida exposure.
- D) Base weight 1-3/4 lbs.
- E) Base has built in anti skid road grippers.
- F) Low profile design.
- G) Large molded in footstep on tabs allow easy removal of upper portion body for storage and transport.
- H) Bases stack and nest for transport and storage. Stacking height equals 1/4" per base.

**NOTE:** Above specifications to be for Barrel, and to include reflective sheeting, four (4) – 6 inch bands, alternating colors from top to bottom: ORANGE WHITE, ORANGE, WHITE. Sheeting to be 3M high intensity Prismatic Flexible Reflective Sheeting, Series 3930 or equal for reboundable plastic substrate work zone traffic control devices. **Sheeting per Specification #TE-007-2005.**

Specification – TED 3-90-6

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Vertical Barricade Assembly

Vertical Barricade Assembly consisting of 2 panels, stand, and base.

Specifications - Panel: Height 24", width 8", thickness .290 mm made from a single section of white extruded polyolefin sheeting.

Specifications - Stand: Height 40.50", width 1.5" on top end tapering to 4" on bottom end, thickness see drawing for details. Made from High Impact UV stabilized white polypropylene.

Specifications - Base: Height 1.75", width 15", length 18", made from reclaimed tire rubber with 6" square recessed area in center .25" deep, see drawing for details.

Approximate assembly total weight 24 lbs.

Assembly must conform to current Manual on Uniform Traffic Control Devices as revised.

Specification – TED 3-90-7

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Type II and Type III White Plastic “A” Frame Barricade Leg

Barricade “A” Frame must meet current Louisiana Department of Transportation and Development Specifications of “Standard Plan Highway Sign and Barricade Details for Construction Projects”, #HS-01, as revised.

Type II and Type III White Plastic “A” Frame Barricade Leg,  
1 piece 40” Tall Molded High Impact Resistant “A” Frame Leg,  
must Accommodate Two 1-1/2” x 7-1/2” x 96” Barricade Boards.  
Must Accommodate Barricade Extension to Convert Type II “A” Frame to Type III Barricade  
“A” Frame Assembly.  
Must be formulated for Temperature Range of -40 degrees to +120 degrees F.

Manufactured by OLGAN  
Part Number BAFT2/3  
Unit of Measure is “Pair”

Specification – TED 3-90-8

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Type III White Plastic Barricade Assembly

Barricade assembly must meet current Louisiana Department of Transportation and Development Specifications of “Standard Plan Highway Sign and Barricade Details for Construction Projects”, #HS-01, as revised.

Type III White Plastic Barricade Assembly comes complete with:  
2 each Type III “A” Frames and 3 each 1-1/2” x 7-1/2” x 96” Barricade Boards with 3M 3930 High Intensity Alternating Orange and White Prismatic Reflective Sheeting on both sides of Board – 6” left sloping stripes on one side – 6” right sloping stripes on other side. Sheeting must extend to 4” from each end of Board. Sheeting must comply with specification #TE-007-2005. Barricade Assembly must be formulated for Temperature Range of -40 degrees to +120 degrees F.

Manufactured by OLGAN  
Part Number BAFT396  
Unit of Measure is “Each”

Specification – TED 3-90-9

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Type II and Type III Plastic Barricade Board

Barricade Board must meet current Louisiana Department of Transportation and Development Specifications of “Standard Plan Highway Sign and Barricade Details for Construction Projects”, #HS-01, as revised

Type II and Type III Plastic Barricade Replacement Board

Size: 1-1/2” x 7-1/2” x 96”

Board to be supplied with 3M 3930 High Intensity Alternating Orange and White Prismatic Reflective Sheeting on both sides of Board – 6” left sloping stripes on one side – 6” right sloping stripes on other side. Sheeting must extend to 4” from each end of Board. Sheeting must comply with specification #TE-007-2005.

Barricade Board must be formulated for Temperature range of -40 degrees to +120 degrees F.

Manufactured by OLGAN  
Part Number BPP8RFL  
Unit of Measure is “Each”

Specification – TED 3-90-10

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Plastic “A” Frame Barricade Assembly

Barricade assembly must meet current Louisiana Department of Transportation and Development Specifications of “Standard Plan Highway Sign and Barricade Details for Construction Projects”, #HS-01, as revised.

40” Plastic “A” Frame Barricade Assembly

Consisting of 2 each “A” Frames complete with Connecting Pin

“A” Frame Assembly must have integral Molded Sign Mounting Clips, and must be formulated for Temperature Range of -40 degrees to +120 degrees F.

Manufactured by OLGAN  
Part Number BAF243002  
Unit of Measure is “Assembly”

Specification No. TED-007 – 2005

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

### High Intensity Prismatic Reflective Sheeting

Note: The following Specification TED-007 contains both warranty and pre-qualification clauses directly related to product performance. (See Sections, E, H, and I.)

#### Section I - Description

The reflective sheeting shall consist of prismatic lens elements adhered to a synthetic resin and encapsulated by a flexible, transparent, weatherproof plastic having a smooth outer surface. The sheeting shall have a pre-coated adhesive backing protected by a plastic liner.

#### Section II - Requirements

##### A. Photometric

Coefficient of Retroreflection: The coefficients of retroreflection shall be determined in accordance with ASTM E-810, for the minimum requirements of Table 1, as specified.

**Table 1**  
Minimum Coefficient of Retroreflection  
(Candelas per Lux per Square Meter)

White

	-4/5	30	40
0.2	360	175	90
0.5	150	70	45
1.0	20	10	9.0

Green

	-4/5	30	40
0.2	50	30	8
0.5	21	12	3.0
1.0	2.0	2.0	0.8

Yellow

	-4/5	30	40
0.2	270	135	65
0.5	110	60	32
1.0	14	8.5	7.0

Blue

	-4/5	30	40
0.2	30	14	5.0
0.5	13	6.0	2.0
1.0	1.0	0.8	0.5

Red

	-4/5	30	40
0.2	65	35	15
0.5	27	14	7
1.0	3.0	2.0	1.0

Brown

	-4/5	30	40
0.2	18	8.5	2.0
0.5	7.5	3.5	1.0
1.0	1.0	0.2	0.1

Orange

	-4/5	30	40
0.2	145	70	29
0.5	60	28	14
1.0	5.0	3.0	1.0

B. Color

Color shall be as specified and shall conform to the requirements for standard highway colors as defined in ASTM D 4956-05.

C. Adhesive

1. The reflective sheeting shall include a pre-coated adhesive which shall be applied exactly as specified by the sheeting manufacturer to recommended, properly prepared flat surfaces without necessity of additional adhesive coats on the reflective sheeting or application surface.

2. The protective liner attached to the adhesive shall be removed by peeling without soaking in water or other solvents and shall be easily removed after accelerated storage for 4 hours at 160 degrees F. (71 degrees C) under weight of 2.5 pounds per square inch (0.18 kg. per square cm.).

3. The adhesive coated sheeting, when applied at 72 degrees F. (22 degrees C) and conditioned for 24 hours at this temperature, shall form a durable bond to clean, smooth, corrosion and weather resistant substrates when exposed to temperatures of -30 degrees to 160 degrees F (-35 degrees to 72 degrees C).

Sheeting applied to 6" x 6" (15 cm. x 15 cm.) cleaned and etched panels of 0.040 inch (1.02 mm), 6061-T6 aluminum, conditioned for 24 hours at 72 degrees F (22 degrees C) and 50% relative humidity shall show no separation from the substrate or cracking outside immediate impact area when subjected to a 50-inch pound impact in accordance with ASTM D-2794.

D. 1. General

The reflective sheeting shall have sufficient strength and flexibility so that it can be handled, processed, and applied according to the recommendations of the sheeting manufacturer without appreciable damage. Following liner removal, the reflective sheeting shall not shrink more than 1/32" (0.79mm.) in 10 minutes nor more than 1/8" (3.18mm.) in 24 hours in any dimension per 9" (22.9cm.) square at 72 degrees F (23 degrees C) and 50% RH.

The sheeting with liner removed, conditioned for 24 hours at 72 degrees F. and 50% RH shall be sufficiently flexible to show no cracking when slowly bent in one second's time, around 1/8" (3.18mm.) mandrel with adhesive side contacting mandrel. Note: For ease of testing, spread talcum powder on adhesive to prevent sticking to mandrel.

2. Surface

The sheeting surface shall be smooth and facilitate cleaning and wet performance, and exhibit 85 degree gloss meter rating of not less than 50 (ASTM D 523-62T).

The sheeting shall permit cutting and color processing at temperatures of 60 degrees - 100 degrees F (15 degrees - 39 degrees C) and relative humidity of 20-80%.

E. Effective Performance Life

The sheeting manufacturer shall submit with each lot or shipment, a certification which states that the material supplied will meet all the requirements listed herein.

1. Reflective sheeting which is processed, applied to approved sign base materials, and cleaned, according to manufacturer's recommendations for traffic control signs, shall be considered as performing effectively for the number of years stated by the bidder if the sheeting has not deteriorated due to natural causes to the extent that: (1) the sign is ineffective for its intended purpose when viewed from a vehicle, or (2) the average nighttime reflective brightness is less than that specified in Table III below. In accordance with Section II, E, 3. which follows the bidder shall be required to replace all sheeting which fails to meet performance requirements in Table III below. \*\*

EFFECTIVE PERFORMANCE LIFE - TABLE III

Average minimum candlepower  
Sheeting per foot candle per square foot  
Type and at 0.2 degree divergence and -4 degree  
Color incidence\*

Effective Performance Life	<u>Years 1-7</u>	<u>Years 8-10</u>
White	288	252
Green	40	35
Yellow	216	189
Red	52	45
Blue	24	21
	<u>Years 1-3</u>	
Orange	80	

\* Candlepower measurement shall be made, following sign cleaning, in accordance with procedures recommended in Section IIA.

\*\* Performance years for each color shall be stated by the bidder

2. The reflective sheeting exposed for 48 months in Jefferson Parish at 45 degrees south facing, shall not support fungus growth and accumulate dirt to the extent that the reflective brightness before cleaning is less than 75% of the reflective brightness after cleaning, when measured at 0.2 divergence and -4 degrees incidence.

3. Where it can be shown that sheeting's supplied and used according to the sheeting manufacturer's recommendations have not met the performance requirements of Section E. 1, the sheeting manufacturer shall cover restoration costs as follows for sheeting's shown to be unsatisfactory during:

a) The entire ten years: the sheeting manufacturer will replace the sheeting required to restore the sign surface to its original effectiveness. Exception is orange, the sheeting manufacturer will replace the sheeting required to restore the sign surface to its original effectiveness for first 3 years only.

b) In addition, during the first seven years: the sheeting manufacturer will cover the cost of restoring the sign surface to its original effectiveness at no cost to Jefferson Parish for materials or labor. Exception: orange, there is no provision for restoring sign surface to original effectiveness.

Jefferson Parish requires sign dating of all signs at the time of application. That date constitutes the start of the field performance obligation period.

F. General Characteristics and Packaging

The reflective sheeting as supplied shall be free from ragged edges, cracks, and extraneous materials, and shall be furnished in both rolls and sheets. When the reflective sheeting is furnished in continuous rolls the average number of splices shall not be more than three per 50 yards (45.7 m) of material with a minimum of 4 splices in any 50-yard length. Splices shall be suitable for continuous application as supplied.

Materials must be delivered within five (5) weeks of receipt of purchase order.

Sheeting shall be packaged in accordance with commercially accepted standards.

The reflective sheeting as supplied, stored under normal conditions, shall be suitable for use for at least one year after purchase.

NOTE: Metric equivalents in parenthesis.

G. Technical Assistance

a) Instruction and Training

The manufacturer supplying the retro reflective sheeting shall provide the services of a qualified technician for instruction and training at the primary sign manufacturing facility designated by Jefferson Parish. This instruction shall be available on an annual basis at no additional cost, and shall include but not be limited to, training films, material application, equipment operation, silk screening techniques, packaging, storage and other proven sign shop practices as they apply to the reflective sheeting supplied by the manufacturer, and to assure that the resulting signs can comply with the applicable specifications.

Additional on-site technical assistance by the manufacturer supplying the retro reflective sheeting shall be provided each of the sign shops designated in the bid invitation. This assistance shall be provided at least once during each quarter of sign production.

b) Manufacturer must supply materials in all widths and colors specified. No partial bids will be accepted.

c) Compliance

Failure to comply with the requirements and schedules of parts (a), (b), and (c) of this section, shall be cause for cancellation of contract.

d) Patent Liability Protection

Seller will pay any damages, costs of fines resulting from any claims against Jefferson Parish for infringement or alleged infringement of third-party patents by product supplied by Seller under this specification. The costs paid by Seller shall include legal and court costs deemed reasonably necessary by Jefferson Parish Attorney in defending against such claims.

#### H. Test Deck Performance

The manufacturer supplying materials specified herein must have supplied samples of these materials in each color for mounting on panels of the test deck located at the Jefferson Parish Sign and Signal Shop, 2100 Dickory Avenue, Harahan, LA.

These materials must be mounted and exposed to continuous weather conditions for three years prior to bid opening. It is the responsibility of the manufacturer to insure that mounting has been accomplished. Successful performance of the product bid must be demonstrated continuously for a minimum of four years on this deck or actual field performance in Jefferson Parish in order for the product to be qualified as meeting these specifications. In lieu of test deck exposures, materials (sheeting, process colors, overlay films) shall be approved for use, when, in the opinion of this agency, sufficient evidence and certification from the manufacturer exists to ensure that the materials and services offered can reliably conform to this specification. Successful performance shall include, but not be limited to continuous adhesion and lamination, shrinkage or distortion, retained color, chromatic quality and reflectivity. Failure to comply with this section of these specifications shall require disqualification and rejection of the manufacturer's product for the bid. See Sec. E (2).

#### I. Warranty Required

The manufacturer of the materials specified herein shall warrant and guarantee the materials for ten (10) years from the date of fabrication, three (3) years from the date of fabrication for orange sheeting, when the materials have been applied in accordance with the manufacturer's recommendations which must be supplied with the bid, and in accordance with the provisions of this specification. The warranty shall hold the manufacturer responsible for replacement of materials which fail to meet the effective performance life requirements stated herein. See Section E (3). Additionally, the manufacturer shall restore the sign surface to original effectiveness at no cost to Jefferson Parish for materials or labor during the first seven (7) years after fabrication, excluding orange sheeting. The written warranty must be signed by authorized corporate officer of manufacturer and included with the bid. Sales, service, or agent signatures will not be considered to meet the requirements of this specification and shall require rejection of the bid.

Specification No. TED 1-01-6

Jefferson Parish  
Safety Equipment Specifications  
Traffic Engineering Division

Vertical Panel Channelizing Device

Channelizing Device Body Material -Low Density Polyethylene

Color - WHITE

Weight - 4 pounds

Height - 45"

Dimensions - 8-5/8" x 1-1/8" top tapering to 12-1/2" x 6" at bottom with 9-1/4" x 17" flange for connection to rubber base.

Vertical Panel Height - 36"

Width - 8"

Reflectivity - Yellow sheeting 12" x 36" with black downward sloping lines. Right on one side, left on the other. (Object Markers). Sheeting shall be 3M high intensity reflective sheeting, Series 3930 or approved equal, as per specification #TE-007-2005.

Base Material - Recycled Black Rubber

Base Size - 18" x 24"

Base Weight - 20 pounds

## **CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED. THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL  
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF  
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,  
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT  
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE  
ABOVE DATED MEETING OF THE BOARD  
OF DIRECTORS OF SAID CORPORATION,  
AND THE SAME HAS NOT BEEN  
REVOKED OR RESCINDED.

\_\_\_\_\_  
**SECRETARY-TREASURER**

\_\_\_\_\_  
**DATE**